

FIG. 1
PRIOR ART

Normal Bluetooth hopping pattern (HV3)

M	S ₁	M	S ₂	M	S ₃	M	S ₁	M	S ₂	M	S ₃	M	S ₁	M	S
f ₁	f ₂	f ₃	f ₄	f ₅	f ₆	f ₇	f ₈	f ₉	f ₁₀	f ₁₁	f ₁₂	f ₁₃	f ₁₄	f ₁₅	

SFS hopping pattern

M	S ₁	M	S ₂	M	S ₃	M	S ₁	M	S ₂	M	S ₃	M	S ₁	M	S
f ₁	f ₂	f ₃	f ₄	f ₅	f ₆	f ₇	f ₈	f ₉	f ₁₀	f ₁₁	f ₁₂	f ₁₃	X(J)	f ₁₅	

X(J) = best
of (f₁, f₂)

X(J+I) = best
of (f₇, f₁₃)

TIME

FIG. 2

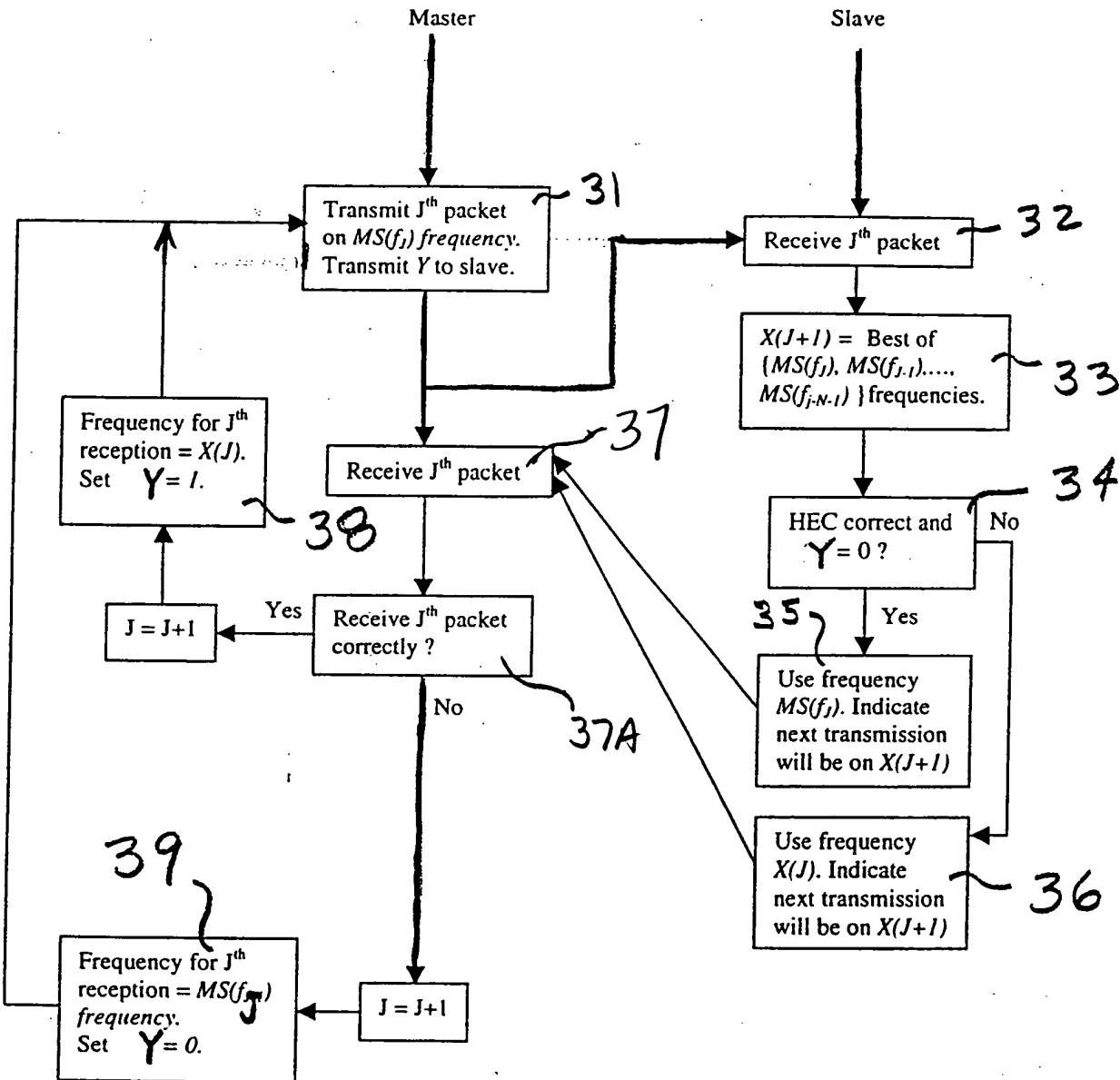


FIG. 3

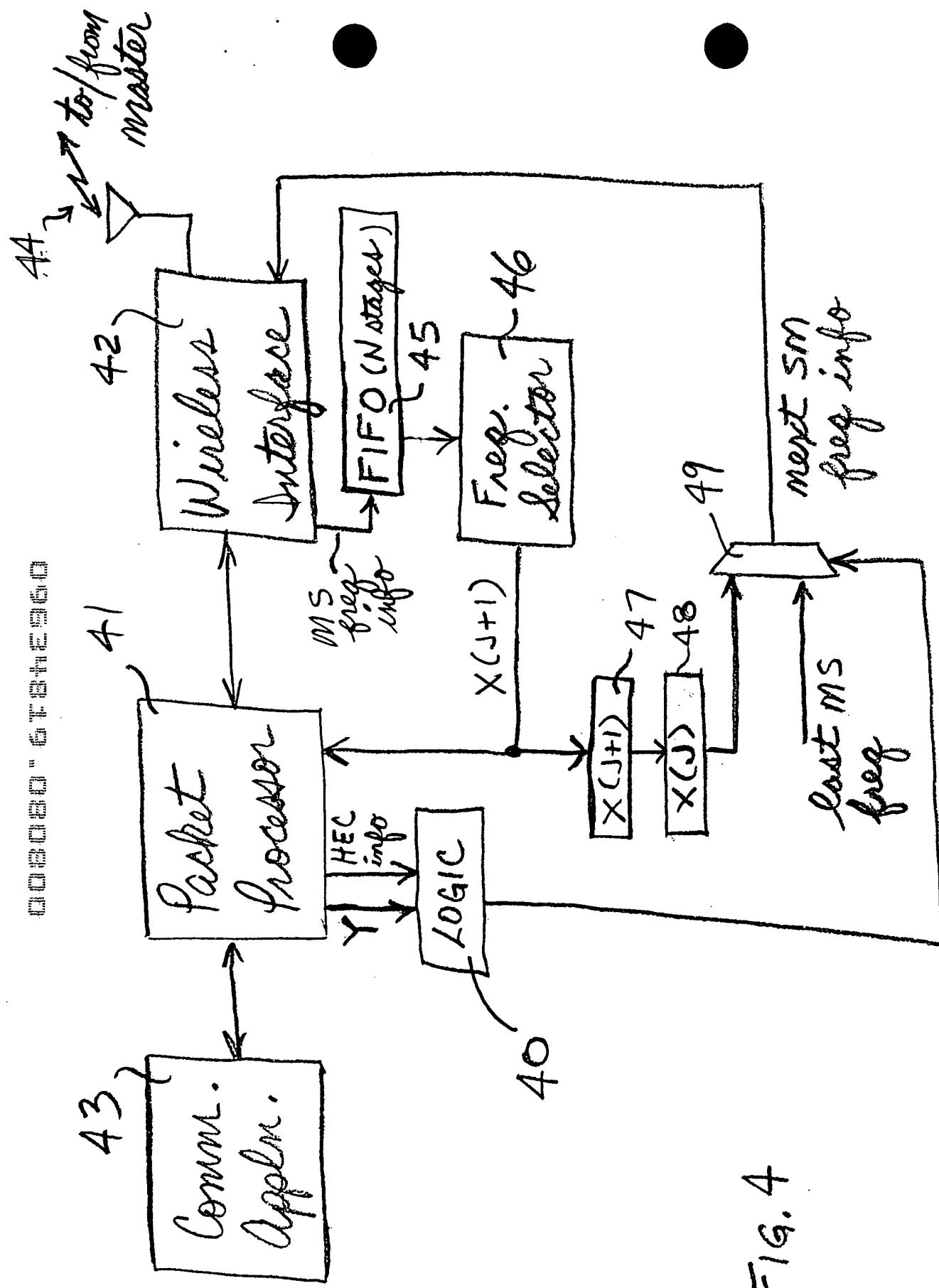


Fig. 4

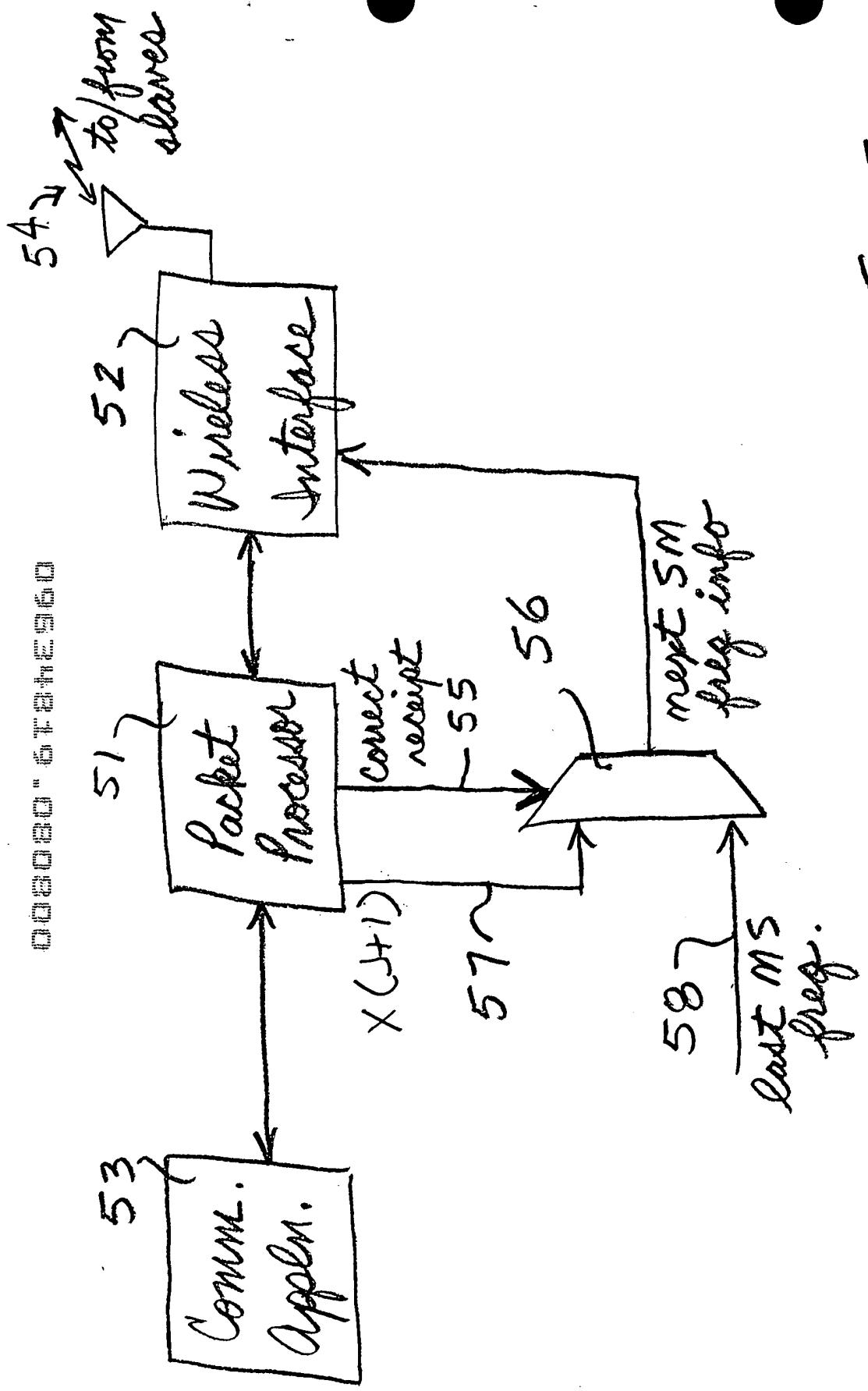


Fig. 5

Normal hopping pattern $f_1 f_2 f_3 f_4 f_5 f_6 f_7 f_8 f_9 f_{10} f_{11} f_{12} f_{13} f_{14} f_{15} f_{16} f_{17} f_{18} f_{19} f_{20} f_{21} f_{22} f_{23} f_{24}$

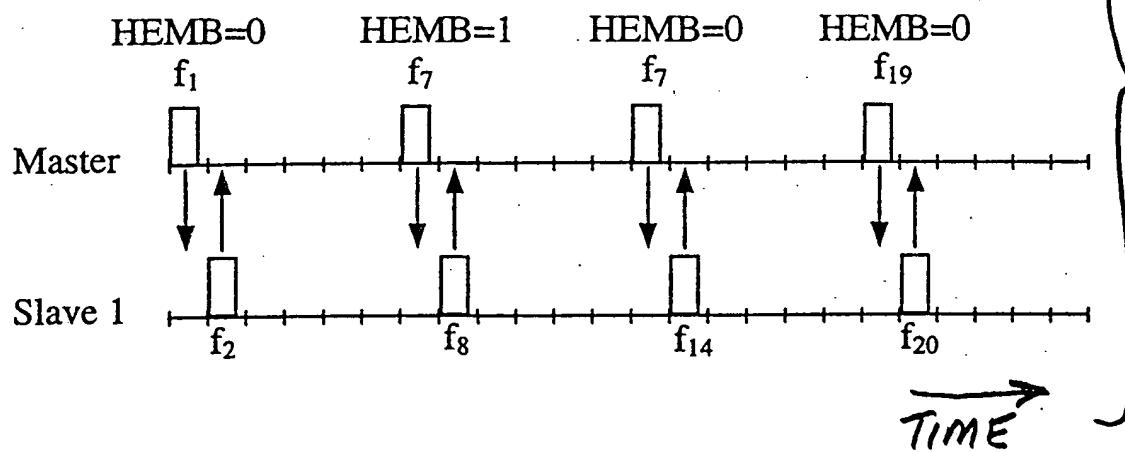


FIG. 6

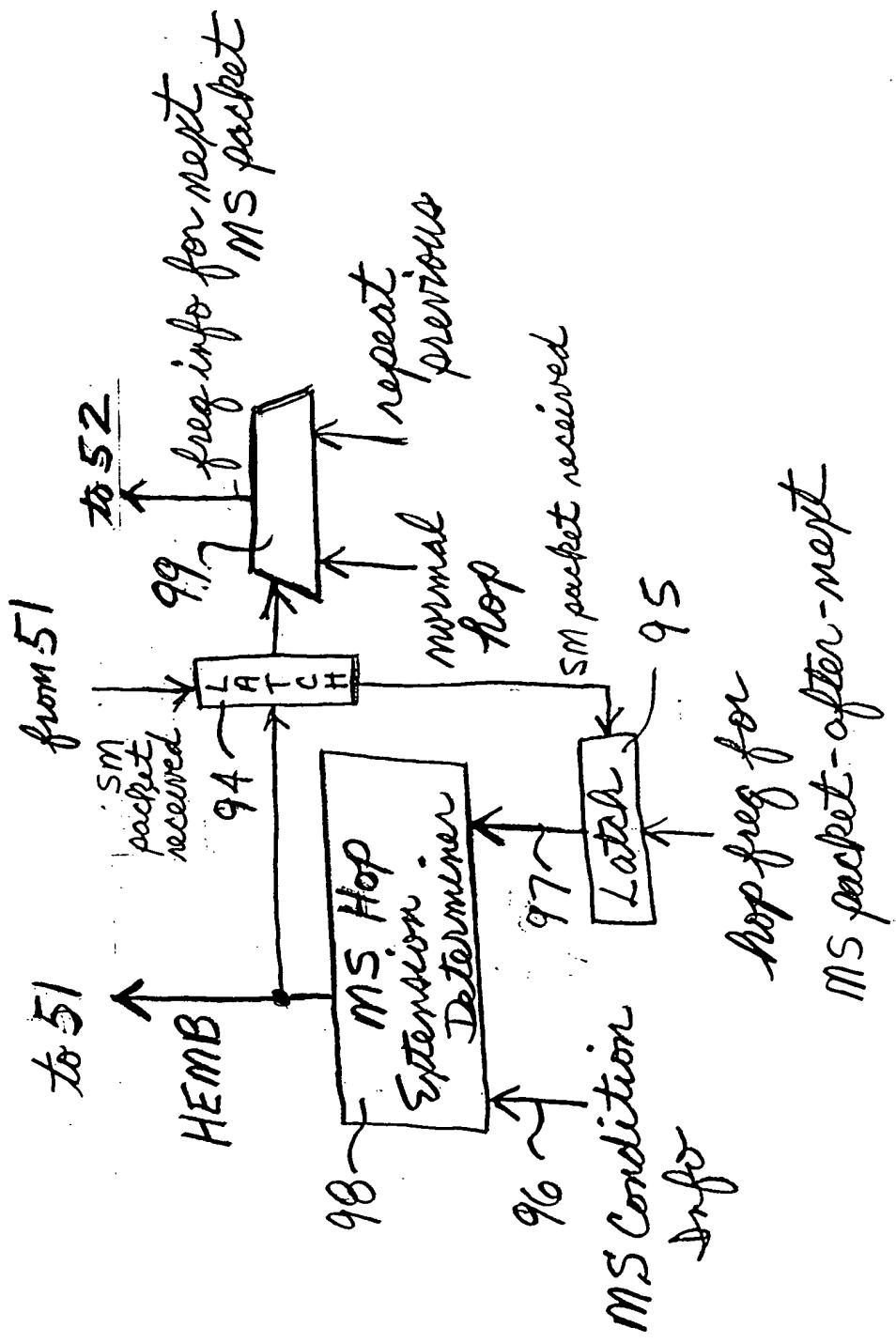


FIG. 7

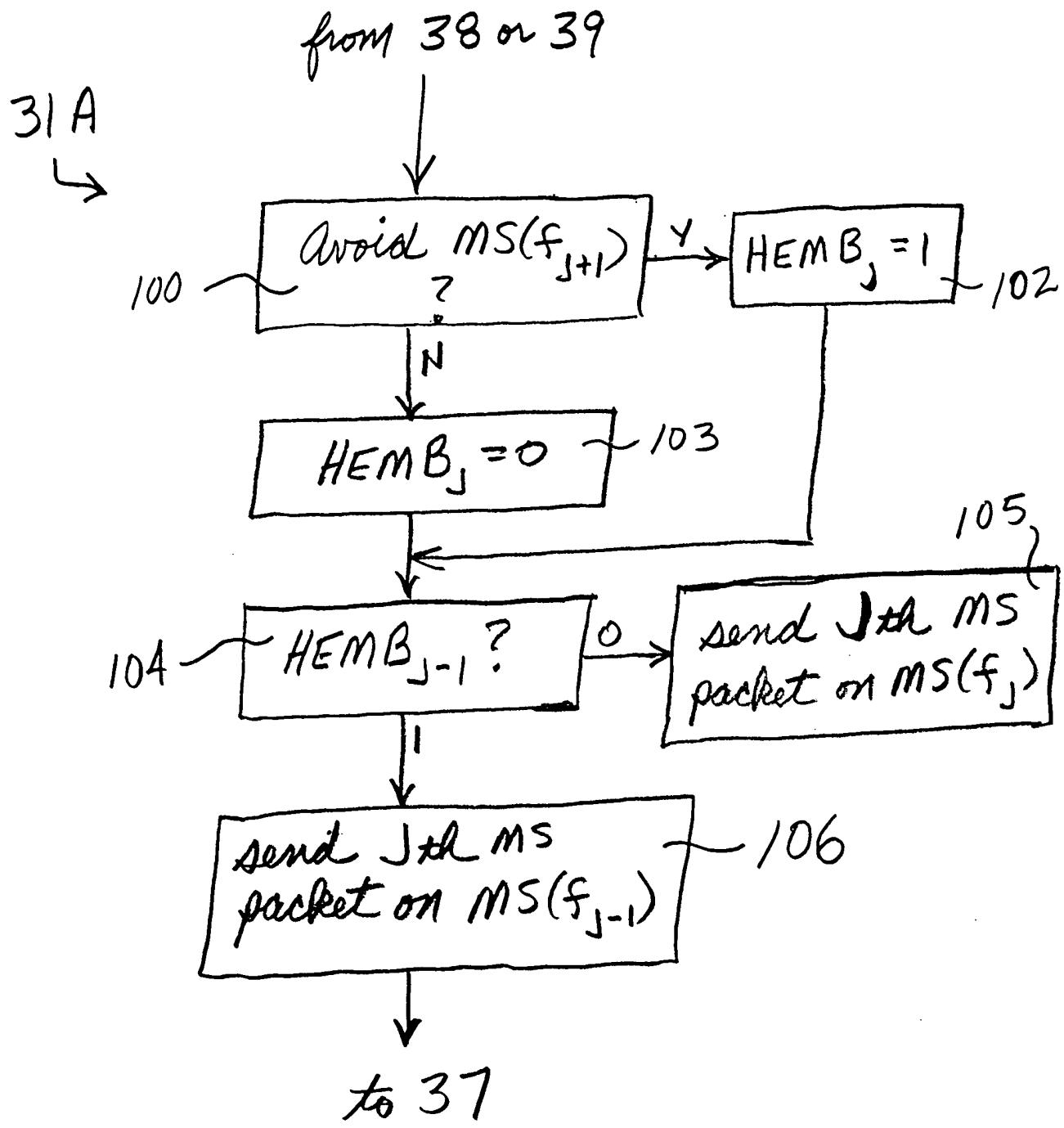
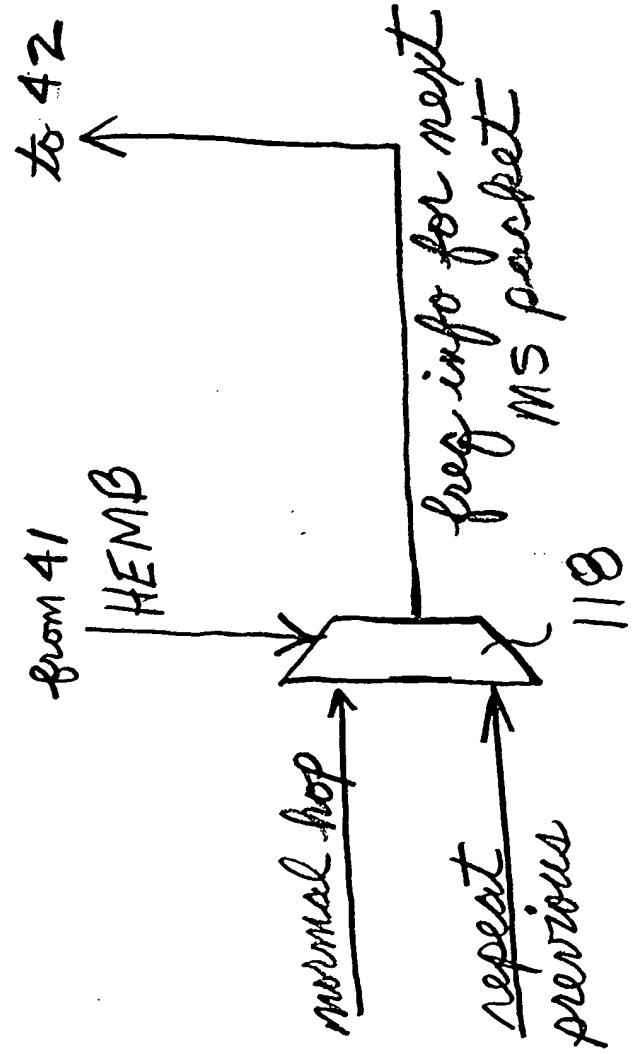
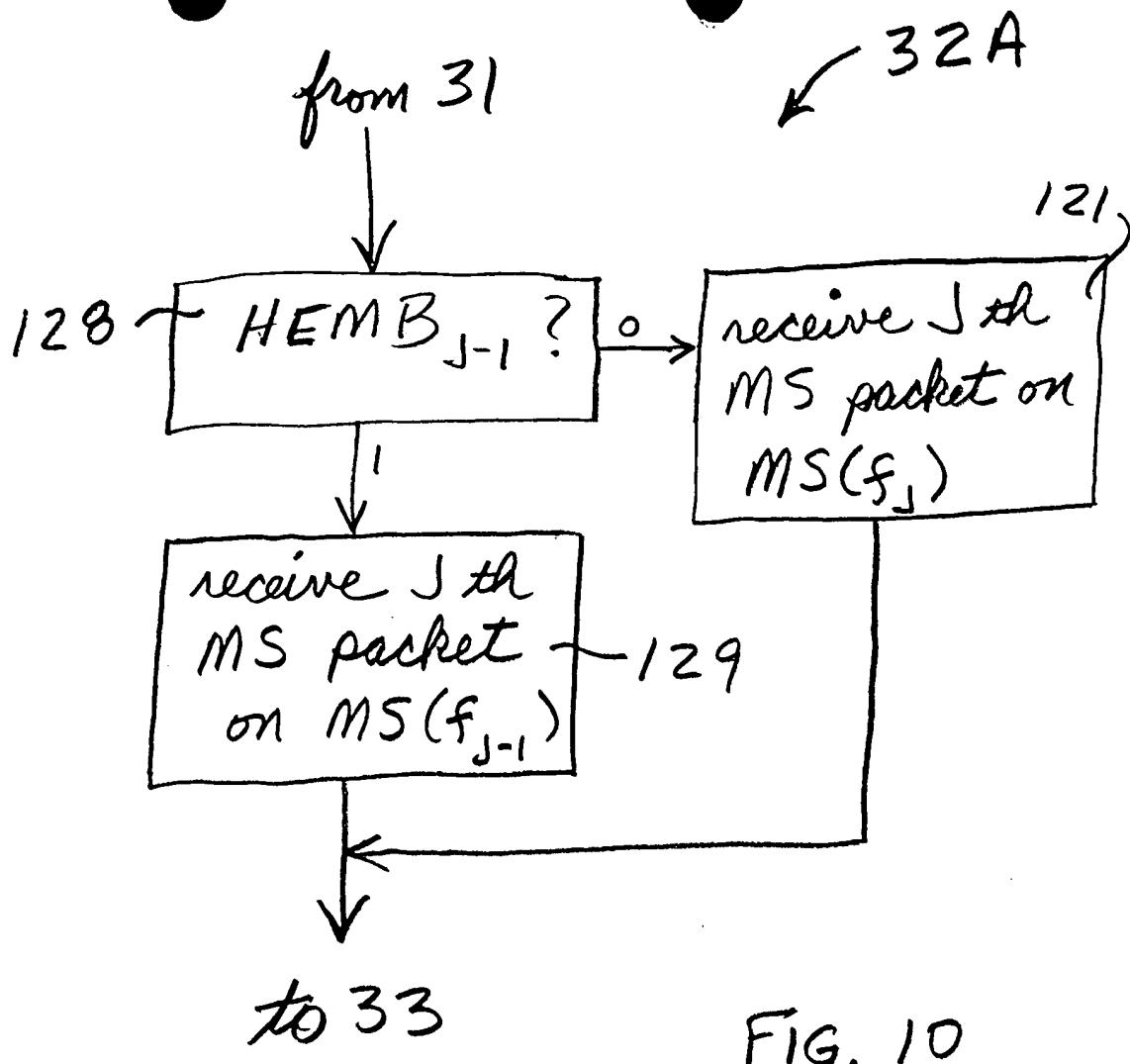


FIG. 8

FIG. 9





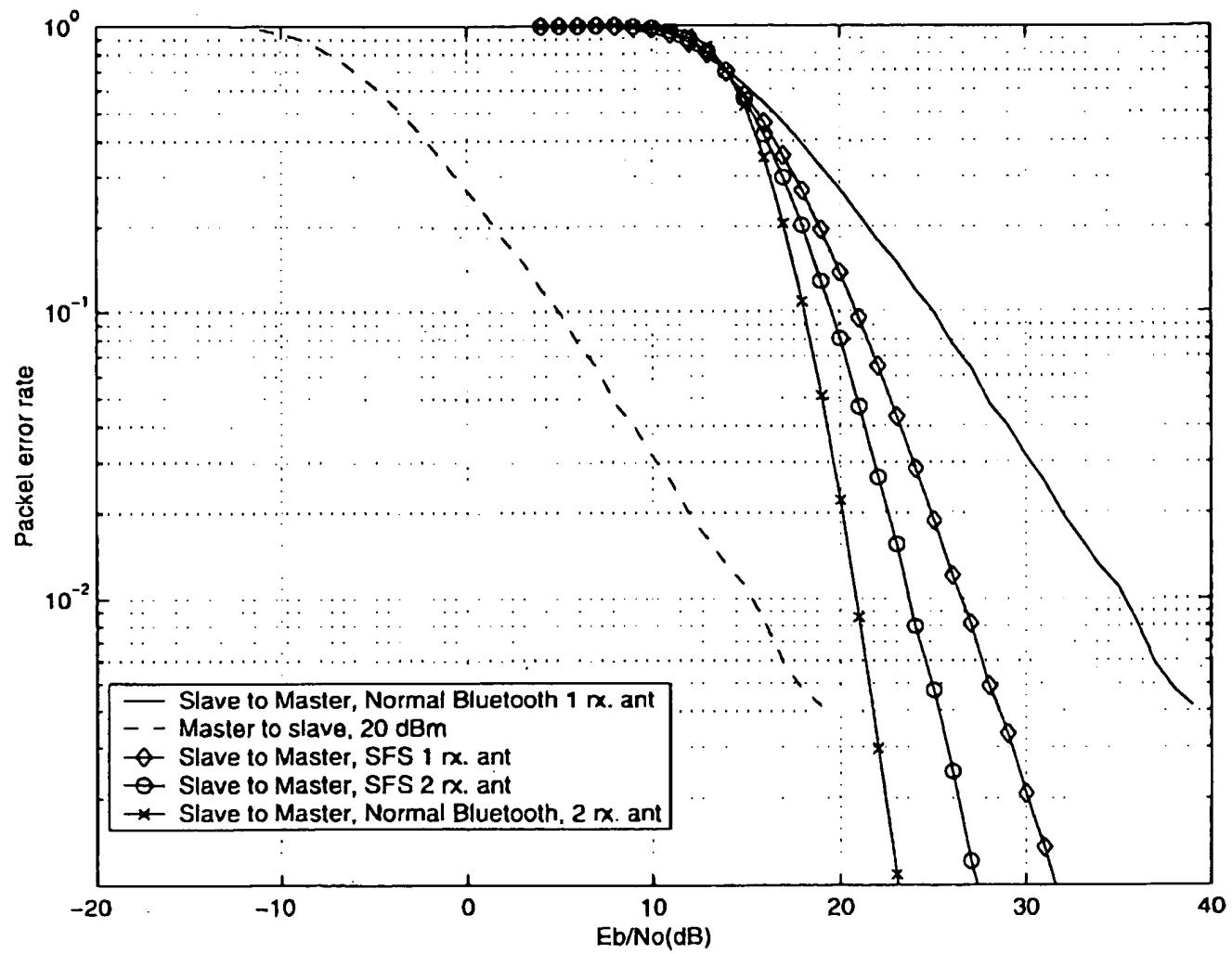


FIG. 11

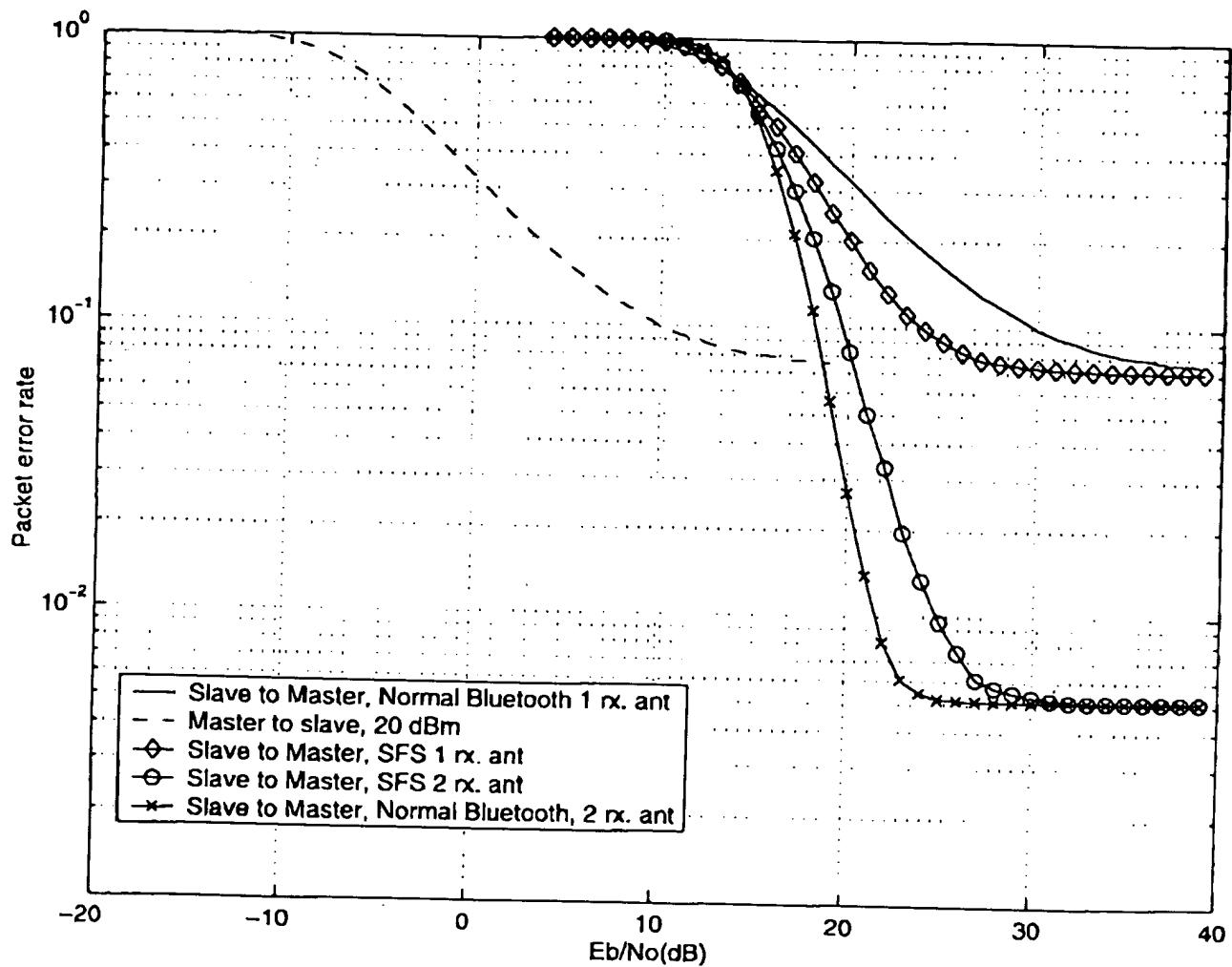


FIG. 12